BLM LIBRARY
88055187

CALIFORNIA INTERCHANGE PROGRAM

MINERALS SUPPORTING DOCUMENT

BETWEEN

BUREAU OF LAND MANAGEMENT
CALIFORNIA

FOREST SERVICE
PACIFIC SOUTHWEST REGION

HD
243
.C2
U5813

#19408369
88055187
HD
243
C2
U5813

MINERALS SUPPORTING DOCUMENT

BLM Library
Bldg. 50
Denver Federal Center
P.O. Box 25047
Denver, Colorado 80225

FS-BLM MINERALS
IMPLEMENTATION GUIDE
REPORT

I. INTRODUCTION: CALIFORNIA MINERALS INTERCHANGE

This report documents the workload analysis of the California Bureau of Land Management (BLM) minerals program and was jointly prepared by the California BLM State Office and Forest Service (FS) Regional Office personnel in response to the proposed BLM/FS Interchange.

The post-legislation workload analysis of minerals functions transferred to the FS from the BLM led to the development of an implementation matrix. This matrix reflects not only the three criteria of "service to the public, cost to provide the service, and administrative efficiency", but more importantly, "accountability" by the FS to manage as many of the minerals functions as possible.

Upon interchange BLM will manage 23,431,735 acres of surface and subsurface lands in California. California BLM also manages 1,500,000 acres of surface and subsurface mineral lands in extreme Northwestern Nevada. Region 5 FS will manage 25,935,892 acres of surface and subsurface lands in California. In addition, Region 5 FS will manage 908,990 acres of surface and subsurface in the Toiyabe National Forest and adjacent BLM lands in Nevada.

The anticipated overall workload in fluids in California will be 80% BLM and 20% FS; in locatables, 50% BLM and 50% FS; in solid leasable, 85% BLM, 15% FS, and in saleables, 50% BLM, 50% FS.

Minerals positions identified to be transferred to the FS from BLM are 4 geologists and 7 adjudicators/title/records. No minerals positions will transfer from the FS to the BLM.

Implementation of the transfer of minerals personnel from BLM to the FS will be accomplished in a phased timeframe. The 4 geologist transfers will be initiated immediately after legislation with a target date of 6 months for completion of the moves. The 7 positions in the adjudication area will be phased over a two-year period. In the year following legislation, the positions will stay physically with BLM but will report to the R.O. At the end of the second year, the positions will have transferred to the R.O.

As indicated in the tabulated implementation matrix below, a number of minerals functions were identified for "shared services" to be housed in BLM. The intent in shared services is to transfer as much responsibility as practicable to the FS. Should the present workload on the FS lands increase significantly in the future, then the "shared service" issue involved should be reevaluated.

There are no "positions saved" in the management of the mineral resources in California.

CALIFORNIA
IMPLEMENTATION MATRIX

MINERALS FUNCTIONS	PRE-LEGISLATION BLM	PRE-LEGISLATION FS	POST-LEGISLATION TRANSFERRED TO FS
Fluid Minerals (oil and gas and geothermal)			
1. Pre-leasing activities	X	X	0
2. Economic evaluation	X	-	0 (shared service)
3. Land/mineral classification	X	-	0 geothermal only (O&G shared service)
4. Drainage determinations	X	-	0 (shared service)
5. Unit agreements	X	-	0 (shared service)
6. Inspection and enforcement	X	-	0 (shared service)
7. Lease operations permits & plans	X	-	+ (signature authority by FS; shared service on all technical)
8. Industry coordination	X	X	+ (more intense)
9. MMS coordination	X	-	0
10. Proprietary & confidential data mgmt.	X	-	+
Solid Minerals			
1. Contest appeals	X	-	+
2. Review of mineral reports	X	-	+
3. Mining claim examination (validity & patents)	X	X	0
4. Industry coordination	X	X	0
5. Surface management (3809/228)	X	X	0
6. Mineral investigation supporting land actions (i.e., desert land entries, R&PP, railroads selections, FLMPMA 209 conveyances, color of title, mineral trespass, etc.)	X	-	+
7. Solid leasable, pre lease	X	X	0
8. Solid leasable, post-lease operations	X	-	0 (shared service)
9. Inspection & enforcement for all solid leasables	X	-	0 (shared service)
10. Economic evaluation - solid leasables	X	-	0 (shared service)
11. Classification - solid leasables	X	-	0 (shared service)
12. Saleable minerals	X	X	0
Fluid and Solid Minerals			
1. Adjudication	X	-	+
2. Mining claim recordation	X	-	0 (shared service)
3. Accounts and Visitor Units & Dockets	X	-	0 (shared service)
4. Administration of competitive lease sales (preparation of sale notice and sale execution)	X	-	0 (shared service)
5. Title/records	X	-	+

Legend - X Presently active in this function
- Not presently active in this function
+ New or increased activity
0 No significant change in activity

II. ORGANIZATION

A. FLUID MINERALS OVERVIEW

The Bureau of Land Managment (BLM) presently has the statutory and regulatory responsibility for the post-lease fluid leasable mineral program. The workload and staffing, therefore, is entirely within the BLM. The technical and regulatory expertise for this program within BLM is scarce, and is concentrated in a few offices to most efficiently use that "scarce expertise". Region 5 of the Forest Service (FS) currently has only one person who has experience in the post-lease fluids program.

1. Oil and Gas

- Present Staffing/Implementation

The oil and gas functions, responsibilities, and staffing are centralized in Bakersfield and the State Office (SO) Division of Mineral Resources. Bakersfield has a staff of 18 people to handle all lease operation activities (i.e., processing APD's, Sundry Notices, and abandonments), land classificiation (i.e., KGS's), drainage determinations, and inspection and enforcement (I & E) work for the entire state. Six positions (4 PE's, 1 Biol., 1 PST) are devoted to lease operations permitting, five for land classification and drainage (2 PE's, 2 Geol., 1 PST) and seven for I & E (& PET's). The Resource Area Offices complete all environmental documentation, have signature authority for surface related Sundry Notices, and in some districts have signature authority for APD's.

The State Office processes all unitization and communitization agreement applications and all post-approval technical and administrative actions. Approximately 1 man-year (1 PE, 2 Geol.) is devoted to this activity. The SO also provides technical review for KGS determinations, and conducts all pre- and post-lease sale geologic, engineering, and economic evaluations. Five people (3 Geol., 1 PE, 1 Econ.) are involved in this activity for a total of about 1 man-year.

- Post-Legislation Staffing/Implementation

An analysis of the workload shift with the interchange shows that BLM has approximately 85% of the post-lease operational/administrative/technical workload. While USFS accounts for approximately 15%. The new USFS responsibility includes the signature authority of processing lease operational permits (i.e., APD's), and management of proprietary and confidential data.

2. Geothermal

- Present Staffing/Implementation

The functions, responsibilities, and staffing of the

geothermal program are partially centralized. Most technical functions for the geothermal program, however, are done in the California State Office and the Ukiah District Office, with some functions performed by the Bakersfield District Office.

Five people in the State Office Division of Mineral Resources deal with some aspect of the geothermal program. This team is responsible for geothermal pre- and post-lease sale geologic, engineering, and economic evaluations statewide (about 2 man-years), land classification for all districts except Ukiah, geothermal unit agreement administration statewide (about 1/2 man-year), technical review of Plans of Operation, Geothermal Drilling Permits, Geothermal Utilization Permits, and Sundry Notices for all districts except Ukiah (about 1/2 man-year), and ensuring geothermal program consistency statewide. The Ukiah District, with four people, performs land classification for the district, technically reviews Plans and geothermal permit applications for the district and geothermal permit applications for the Susanville District, and conducts inspection and enforcement (I & E) work for the Ukiah and Susanville Districts. The Bakersfield District uses 2 PET's on as "as needed basis" to conduct geothermal I & E work for the Bakersfield and Desert Districts.

The Resource Area Offices process pre- and post-lease geophysical permits, coordinate the processing of Plans of Operation, complete all environmental documentation, and have signature authority for surface related Sundry Notices.

- Post-Legislation Staffing/Implementation

An analysis of the workload shift with the interchange shows that BLM has approximately 80% of the post-lease operational/administrative/technical workload while FS accounts for approximately 20%. The new FS responsibilities include the signature authority of processing lease operational permits (i.e., geothermal drilling permits) and management of proprietary and confidential data.

B. SOLID LEASABLES

1. Present Staffing/Implementation

The resource and economic evaluations for solid leasable minerals in the BLM are currently being conducted for: classification and parceling for lease sales, resource and economic evaluation of the tracts to be offered for leasing, resource and economic evaluation of minerals for exchanges and conveyances; resource and economic evaluation of mineral material sales in excess of $50,000 contracts; and resource and economic evaluation of complex patent applications. This includes detailed geologic, mining engineering and mineral economic reports. The expertise and talent needed for all

this workload are geologists, mining engineers and minerals economists. This talent is available and is being used from both the State Office and District Office Minerals Staff. Although the BLM in California does not have a "formal economic evaluation team" at any time, an "ad hoc" evaluation committee could be formed to include the talent needed to conduct economic evaluations. Currently, the BLM has formed "Regional Economic Evaluation Teams" (REET) for conducting solid leasable mineral economic evaluations located at various parts of the United States. The REET that oversees the State of California is located in Santa Fe, New Mexico, and is mostly experienced in coal evaluations.

Most of the work mentioned above is being done by a combined effort between the State Office and the District Minerals Staff.

2. Post-Legislation Staffing/Implementation

Following legislation 15% of the total BLM workload in solid leasable minerals will go to the FS.

The new FS responsbilities include the signature authority of approving prospecting permits, plans of operations, etc. and management of proprietary and confidential data. BLM will retain the remaining mineral functions, including resource classification and economic evaluation as a shared service. While BLM does not have an "Economic Evaluation Team", per se, they do have a mineral economist and can either form an "ad hoc" evaluation committee or request assistance from the BLM Regional Evaluation Team in Santa Fe. We assume that the BLM Regional Team will remain intact after the interchange legislation.

C. SALEABLE MINERALS

1. Present Staffing/Implementtaion

The casework for the BLM is handled through the Resource Area Offices with assistance from the District Offices on large sales and from the State Office for appraisals. The FS casework is primarily handled by the Ranger Districts with some assistance from the Zone Minerals Offices. There are no specific staffing assignments for saleable minerals. It is handled as a subfunction by the locatable mineral specialists and the administration personnel.

2. Post-Legislation Staffing/Implementation

Following the interchange the workload will be divided with approximately 52% done by the FS and 48% by the BLM. The workload will continue to be handled as a subfunction of the locatable minerals specialists and administrative staff. The additional workload for the FS will be handled by the staff changes developed for locatable minerals.

D. LOCATABLE MINERALS

1. Present Staffing/Implementation

Under present conditions casework for BLM is handled primarily in the Resource Areas and District Offices, with technical assistance (mineral examination/appraisal) and policy guidance from the State Office. FS casework is conducted primarily by the north and south mineral zones. Policy guidance for the zones is provided by the Regional Office in San Francisco. Environmental review of plans and notices on BLM lands is provided at the Resource Area/District Office level, while the Ranger Districts within each Forest conduct these reviews for the FS. BLM conducts all adjudicative and mining claim recordation functions for both agencies. Technical review of all mineral reports for mineral patents, validities, exchanges, sales, mineral conveyances, etc., is provided by the BLM State Office for both agencies. Mineral character examinations/appraisals conducted by the FS are allowed under a FS/BLM MOU (amendment signed July 16, 1963). BLM and the FS manage surface disturbances on mining claims under separate regulations (43 CFR 3802/3809 and 36 CFR 228, respectively). BLM has separate regulations for managing surface activities on claims in WSAs (43 CFR 3802).

2. Post-Legislation Staffing/Implementation (including Saleable and
Solid Leasable Minerals)

Following the interchange the workload will be divided with approximately 52% done by the FS and 48% by the BLM. The workload will continue to be handled as a subfunction of the locatable minerals specialists and administrative staff. The additional workload for the FS will be handled by the staff changes developed for locatable minerals.

Following legislation all locatable casework, technical review of mineral reports and adjudication functions will be performed by the FS on Forest Service administered lands.

E. ADJUDICATION AND SUPPORT FUNCTIONS

1. Present Staffing/Implementation

The Branch has operational responsibility for all lands and minerals case adjudication, withdrawals, land and mineral records management and serves as public liaison within the State, and processes and collects fees for the use and/or disposal of Federally owned land and mineral resources. In support of field offices and other Federal agencies issues patents and prepares public land order drafts and other title documents. The Branch is divided into three distinct sections: Lands and Locatable Minerals Section, Leasable Minerals Section and Records Information Section. The function and staffing of the sections is outlined below:

- Lands and Locatable Minerals Section

Since the concern for this exercise is limited to

Minerals, only the locatable minerals function and staff levels are discussed.

The Locatable Minerals portion of this section is responsible for implemention of the Mining Law and FLPMA recordation. This Section provides Statewide technical direction and expertise on the adjudication functions of mining law administration. Mineral Patents, contests, P.L. 167 and 359 Determinations and all aspects of Section 314 of FLPMA concerning the recordation and filing of assessment work is accomplished within this Section.

All of the legal work and conveyance documents involved in the Mining Law are accomplished here. All decisions declaring claims null and void, abandoned, contest complaints, and all adjudicative work on mineral patents are processed by this Unit.

The Mining Law Administration functions are currently staffed by one Supervisory Land Law Examiner, one journeyman Land Law Examiner, two legal Technicians, two Legal Clerks and two WAE five-month positions. The unit currently employs temporary clerks to accomplish its goals. These people work full time on mining law administration.

- Leasable Minerals Section

This Section is responsible for the development and implementation of the competitive and noncompitative (simultaneous and over-the-counter) oil, gas and geothermal programs. The Section is also responsible for other leasable minerals programs. The jurisdiction covers PD land, lands administered by other agencies, acquired and patented lands on which the mineral rights have been reserved to the U.S. Responsibility to ensure final actions are in accordance with existing laws and regulations, policy and program guidance and priorities from the State Director. The Section also does, in addition to issuance of leases, all lease maintenance and adjustments such as assignments, extensions, renewals, approval of operating rights, bonding and other lease service requirements.

The Section consists of a Section Chief, a Lead Land Law Examiner who gives work assignments, technical guidance and review of lower graded Land Law Examiners (LLE) and six journeyman-level LLEs, of which one position is vacant.

Two of the positions work exclusively geothermal leasing, one competitive and one non-competitive. The other four positions work various aspect of oil and gas leasing, with two working full time on the simutaneous leasing area one working non-competitive leases. The fourth position is presently vacant. The Team Leader, in addition to the technical guidance, handles the

competitive leasing program and works about 5% of the time on other leasables. The Adjudicator working the OTC applications spends approximately 25% of her time adjudication of other leasable minerals. At the present time there is insufficent workload to warrant a position to other leasable minerals.

In addition, there is one Secretary for this Section who does all the typing of decisions, letters, memos, handles all calls, visitors and other duties of the Section as needed.

- Records and Information Section

Responsible for maintaining public land and mineral title and use records. Responsible for serialization of new applications, docket control and computer input. The Section also collects, deposits and accounts for all filing fees, rental and document copy fees. This Section is also the prime public contact for the general public. They provide technical information and assistance in utilizing public lands and resources.

The Section is divided into three separate units, the Accounts and Vistor Information Services Unit, Title and Records Unit and the Section Staff and Dockets.

The Accounts and Visitor Services Unit is currently staffed by one Supervisory LLE, who is the Supervisory Contact Representative, two contact Representatives, and handling the accounting function is one Accounting Technician and one Teller.

The Title and Records Unit is comprised of one Supervisory Land Records Specialist, one LLE, three Cartographic Technicians, one Legal Technician, one Legal Clerk, and one Microfilm Equipment Operator. We also have two temporary draftsmen who were hired to accomplish priority work assignments that was not accomplishable with the permanent staff, i.e. drafting of FS wilderness boundaries, WSA boundaries and redrafting MTPs which were converted to Leasable Plats during the Bureau's priority to eliminate leasing backlog.

The other positions in the Unit are the Section Chief, Secretary, and one permanent and one temporary Dockets Clerk, who maintain all of the State Office case files.

It should be noted that this unit works on all case types, both lands and minerals. There is no breakdown, the draftsman all draft all types of cases, etc. This is a support function to all Bureau activities.

Reporting directly to the Branch Chief is the ALMRS Coordinator for the State. She supervises four employees, two full-time permanent people, one Lead Conveyance Clerk and one Legal Clerk, plus two term positions who are Data Entry Clerks. This Unit is

primarily responsbile for entry and update of lands and minerals records into the Bureau's automated records bases.

2. Post-Legislation Staffing/Implementation

- Locatable Minerals Section

After legislation to provide for administration of locatable minerals by the Secretary of Agriculture, it is anticipated that one position (Land Law Examiner) would be transferred to the U.S. Forest Service to administer mineral patents, mining contests, P.L. 359 Determinations. It is believed that mining claim recordation could not satisfy the "three criteria" on which the Interchange is based and, therefore, would be a shared service housed with BLM.

- Leasable Mineral Section

After legislation to provide for administration of leasable minerals by the Secretary of Agriculture, it is anticipated that the following four positions would be transferred to the U.S. Forest Service to administer the mineral leasing laws, oil and gas, geothermal, and other leasable minerals: one Lead Land Law Examiner position, two Land Law Examiners, one for oil and gas and one for geothermal, and one Secretarial position.

- Records and Information Section

--Title and Records Unit

If the Bureau transfers the maintenance of its records to the Forest Service, the Forest Service will need personnel to maintain these records. The following two positions would be transferred: one Cartographic Technician and one Legal Technician.

--Accounts and Visitor Services Unit

Since mining claim recordation will be a shared service performed by BLM and since competitive sales will be handled by BLM as a shared service, we do not anticipate the need of transferring any additional personnel from this Unit to the FS.

--Dockets

If the case files created under BLM's authorities and administration are to be transferred to the Forest Service for maintenance and administration it would be necessary to have a person to do the filing and maintenance of these cases. Presently the BLM has one permanent and one temporary position to handle all cases in the California State Office. The temporary position could be transferred if still available. Since temporary positions are not part of this report and since mining claim recordation is a shared service, we therefore, do not anticipate a requirement here.

--ALMRS

If the Forest Service adopts the Bureau's Automated Lands and Minerals Records System, personnel to manage the program and to enter and continually update and audit the existing data base would be needed. The BLM currently has one manager and two data entry people to keep our system up and running. In addition, we have two term positions to meet our current needs for the duration of the collection of survey data, and land status capture. Because of the limited staffing and the limited number of records to be transferred to the Forest Service, no positions will be available for transfer in this area until total implementation.

F. FOLSOM MINERALS LABORATORY

1. Present Staffing/Implementation

The Folsom Minerals Laboratory is currently managed by the BLM State Office Mining Engineer. The laboratory is equipped to work on validity and patent examinations both lode and placer. The laboratory is also equipped for work on material sales, exchanges, conveyances and GEM. The minerals

laboratory is equipped with a portable Denver gold saver for use in the field, a portable diamond drill for drilling and coring up to one inch in diameter cores, and an X-ray diffractometer for identifying nonmetallic minerals and approximation of rock composition for sheet structure minerals. The laboratory is also equipped with a number of microscopes.

Currently the BLM is managing the mineral laboratory. District and Area geologists/examiners have utilized the mineral laboratory.

2. Post-Legislation Staffing/Implementation

With the implementation of the interchange we anticipate the use of the Folsom Minerals Laboratory will increase. We propose that a shared services option will be the most viable option. BLM will continue to manage the Folsom Minerals Laboratory. The laboratory will be used by the BLM and the Forest Service minerals examiners/geologists.

III. MINERALS MANAGEMENT

A. SUMMARY OF WORKLOAD ANALYSIS - OIL AND GAS - SEE TABLE A

Overall, the division of workload for leasing will be approximately 60% Bureau of Land Management and 40% Forest Service. Forest Service will have a greater workload in non-competitive leasing and Bureau of Land Management a greater workload in competitive leasing.

The post-legislation workload split for all other oil and gas activities including resource/economic evaluation, lease/production operations and permitting, unit agreements, and inspection and enforcement, is projected to be 85% BLM and 15% FS. BLM will continue to have responsibility for most (90%) of the producing areas which generate the largest workload. Exploration and development is increasing all along the coastal areas of California and as more FS land is opened for leasing north of Los Angeles, FS post-lease operational workload will slowly increase. Exploration, development, and production on BLM lands is expected to increase dramatically as several major companies plan to invest large amounts of capital in enhanced oil recovery projects in the southern San Joaquin Valley.

STATEWIDE

WORKLOAD NAME UNIT OIL AND GAS	EXISTING AS OF 10/01/84	TOTAL FS	POST - INTERCHANGE %	TOTAL BLM	%
1. NONCOMPETITIVE LSES					
A. Existing Lses	2,468	579	23.46%	1,879	76.13%
Acreage	3,530,412	602,502	17.07%	2,927,910	82.93%
B. 1984 Lses	120	33	27.50%	87	72.50%
Acreage	172,905	72,873	42.15%	100,032	57.85%
C. Pending Apls	590	399	67.63%	191	32.37%
Acreage	1,373,838	1,019,174	74.18%	354,664	25.82%
2. COMPETITIVE LSES					
A. Existing Lses	214	12	5.61%	202	94.39%
Acreage	41,522	766	1.84%	40,756	98.16%
B. 1984 Lses	27	3	11.11%	24	88.89%
Acreage	3,406	430	12.62%	2,976	87.38%
3. PRODUCING LSES	350	61	17.43%	289	82.57%
4. WELLS (TOTAL)					
A. Producing	4,066	365	8.98%	3,701	91.02%
B. Injection	331	65	19.64%	266	80.36%
C. Temporarily Abandoned	1,279	151	11.81%	1,128	88.19%
5. AGREEMENTS					
A. Existing Units	24	4	16.67%	20	83.33%
Acreage	138,810	0	0%	126,860	91.39%
B. 1984 Units	2	0	0%	2	100.00%
C. Communitization	29	9	31.03%	20	68.97%
6. KGSs					
A. Existing KGSs	129	43	33.33%	86	66.67%
Acreage	509,678	106,696	18.13%	484,072	82.25%
B. 1984 Adjustments	3	2	66.67%	1	33.33%
Acreage	3,640	1,640	45.05%	2,000	54.95%
7. PERMITS TO DRILL (APD)					
A. 1984 Approvals	310	13	4.19%	297	95.81%
B. Not Yet Drilled	29	4	13.79%	25	86.21%
8. PLANS OF OPS					
A. 1984 Approvals	310	13	4.19%	297	95.81%
B. Pending Plans	0	0	0%	0	0%
9. SUNDRY NOTICES (84)	780	75	9.62%	705	90.38%
10. EXPL PERMITS (84)	13	2	15.38%	11	84.62%
11. LSE ADJUSTMENTS (84)	350	67	19.14%	283	80.86%
12. DRAINAGE					
A. 1984 Cases Done	149	52	34.90%	97	65.10%
B. Potential Cases	31	16	51.61%	15	48.39%
13. INSPECTION & ENFORCEMENT (84)	1,747	381	21.81%	1,366	78.19%

WORKLOAD NAME UNIT OIL AND GAS	SOUTH ZONE EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	649	113	536
ACREAGE	1,875,271	63,586	1,811,685
B. 1984 LSES	33	4	29
ACREAGE	52,475	1,846	50,629
C. PENDING APLS	144	75	69
ACREAGE	288,744	70,900	217,844
2. COMPETITIVE LSES			
A. EXISTING LSES	4	0	4
ACREAGE	75	0	75
B. 1984 LSES	0	0	0
ACREAGE	-	0	0
3. PRODUCING LSES	19	19	0
4. WELLS (TOTAL)			
A. PRODUCING	98	98	0
B. INJECTION	15	15	0
C. TEMPORARILY ABANDONED	70	70	0
5. AGREEMENTS			
A. EXISTING UNITS	4	4	0
ACREAGE	11,950.04	-	-
B. 1984 UNITS	0	0	0
C. COMMUNITIZATION	1	1	0
6. KGSs			
A. EXISTING KGSs	16	16	0
ACREAGE	17,187	17,187	0
B. 1984 ADJUSTMTs	0	0	0
ACREAGE			
7. PERMITS TO DRILL (APD)			
A. 1984 APPROVALS	1	1	0
B. NOT YET DRILLED	0	0	0
8. PLANS OF OPS			
A. 1984 APPROVALS	1	1	0
B. PENDING PLANS	0	0	0
9. SUNDRY NOTICES (84)	25	25	-
10. EXPL PERMITS (84)	0	0	0
11. LSE ADJUSTMENTS (84)	115	10	105
12. DRAINAGE			
A. 1984 CASES DONE	7	7	0
B. POTENTIAL CASES	7	7	0
13. INSPECTION & ENFORCEMENT (84)	91	91	0

WORKLOAD NAME UNIT OIL AND GAS	CENTRAL ZONE EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	1,514	289	1,225
ACREAGE	848,033	125,329	722,704
B. 1984 LSES	60	9	51
ACREAGE	36,563	2,561	34,002
C. PENDING APLS	351	252	99
ACREAGE	661,052	601,526	59,526
2. COMPETITIVE LSES			
A. EXISTING LSES	209	11	198
ACREAGE	41,407	726	40,681
B. 1984 LSES	27	3	24
ACREAGE	-	430	2,976
3. PRODUCING LSES	331	42	289
4. WELLS (TOTAL)			
A. PRODUCING	3,968	267	3,701
B. INJECTION	314	50	264
C. TEMPORARILY ABANDONED	1,209	81	1,128
5. AGREEMENTS			
A. EXISTING UNITS	20	0	20
ACREAGE	126,860	0	126,860
B. 1984 UNITS	2	0	2
C. COMMUNITIZATION	20	0	20
6. KGSs			
A. EXISTING KGSs	106	22	84
ACREAGE	518,278	40,766	479,712
B. 1984 ADJUSTMTs	3	2	1
ACREAGE	3,640	1,640	2,000
7. PERMITS TO DRILL (APD)			
A. 1984 APPROVALS	309	12	297
B. NOT YET DRILLED	29	4	25
8. PLANS OF OPS			
A. 1984 APPROVALS	309	12	297
B. PENDING PLANS	0	0	0
9. SUNDRY NOTICES (84)	755	50	705
10. EXPL PERMITS (84)	12	1	11
11. LSE ADJUSTMENTS (84)	179	35	144
12. DRAINAGE			
A. 1984 CASES DONE	131	45	86
B. POTENTIAL CASES	18	9	9
13. INSPECTION & ENFORCEMENT (84)	1,626	275	1,351

NORTHEAST ZONE

WORKLOAD NAME UNIT OIL AND GAS	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	122	51	61
ACREAGE	519,621	226,705	292,916
B. 1984 LSES	24	18	6
ACREAGE	81,339	67,502	13,837
C. PENDING APLS	64	54	10
ACREAGE	307,247	274,107	33,140
2. COMPETITIVE LSES			
A. EXISTING LSES	0	0	0
ACREAGE	0	0	0
B. 1984 LSES	0	0	0
ACREAGE	0	0	0
3. PRODUCING LSES	0	0	0
4. PRODUCING WELLS (TOTAL)	0	0	0
5. INJECTION WELLS (TOTAL)	0	0	0
6. UNIT AGREEMENTS			
A. EXISTING UNITS	0	0	0
B. 1984 UNITS	0	0	0
7. KGSs			
A. EXISTING KGSs	0	0	0
ACREAGE	0	0	0
B. 1984 ADJUSTMENTS	0	0	0
ACREAGE	0	0	0
8. PERMITS TO DRILL (APD)			
A. 1984 APPROVALS	0	0	0
B. NOT YET DRILLED	0	0	0
9. PLANS OF OPS			
A. 1984 APPROVALS	0	0	0
B. PENDING PLANS	0	0	0
10. SUNDRY NOTICES (84)	0	0	0
11. EXPL PERMITS (84)	1	1	0
12. LSE ADJUSTMENTS (84)	49	18	31
13. DRAINAGE			
A. 1984 CASES DONE	0	0	0
B. POTENTIAL CASES	0	0	0
14. INSPECTION & ENFORCEMENT (84)	-	-	-

NORTHWEST ZONE

WORKLOAD NAME UNIT OIL AND GAS	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	183	126	57
ACREAGE	287,487	186,882	100,605
B. 1984 LSES	3	2	1
ACREAGE	2,528	964	1,564
C. PENDING APLS	31	18	13
ACREAGE	116,795	72,641	44,154
2. COMPETITIVE LSES			
A. EXISTING LSES	1	1	0
ACREAGE	40	40	0
B. 1984 LSES	0	0	0
ACREAGE	0	0	0
3. PRODUCING LSES	0	0	0
4. PRODUCING WELLS (TOTAL)	0	0	0
5. INJECTION WELLS (TOTAL)	2	0	2
6. AGREEMENTS			
A. EXISTING UNITS	0	0	0
B. 1984 UNITS	0	0	0
C. COMMUNITIZATION	8	8	0
7. KGSs			
A. EXISTING KGSs	7	5	2
ACREAGE	53,103	48,743	4,360
B. 1984 ADJUSTMENTS	0	0	0
ACREAGE	0	0	0
8. PERMITS TO DRILL (APD)			
A. 1984 APPROVALS	0	0	0
B. NOT YET DRILLED	0	0	0
9. PLANS OF OPS			
A. 1984 APPROVALS	0	0	0
B. PENDING PLANS	0	0	0
10. SUNDRY NOTICES (84)	0	0	0
11. EXPL PERMITS (84)	0	0	0
12. LSE ADJUSTMENTS (84)	7	4	3
13. DRAINAGE			
A. 1984 CASES DONE	11	0	11
B. POTENTIAL CASES	6	0	6
14. INSPECTION & ENFORCEMENT (84)	30	15	15

B. SUMMARY OF WORKLOAD ANALYSIS - GEOTHERMAL - SEE TABLE B

Overall, the division of workload for leasing will be approximately 60% Forest Service and 40% BLM. Competitive and non-competitive leasing on Forest Service lands is expected to increase due to the completion of pre-lease environmental documents for the proposed Lassen and Glass Mountain KGRA lease sales and proposed exploration activities in the Mt. Shasta area.

The post-legislation workload split for all other geothermal activities including resource/economic evaluation, lease/production operations and permitting, unit agreements, and inspection and enforcement is projected to be 80% BLM and 20% Forest Service. All currently producing and developing areas are on BLM lands and this will not change for 5-10 years. FS prospects are still in the exploratory stage and development and production may be more than 5 years down the road. The active areas include The Geysers, Coso, East Mesa, and Wendel-Amedee for BLM, and Glass Mountain, Mono-Long Valley, Mt. Shasta, and Lassen for FS. BLM workload will be steady and increasing while FS workload will be continuous and increasing.

STATEWIDE

WORKLOAD NAME UNIT GEOTHERMAL	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS		 TOTAL BLM	
1. NONCOMPETITIVE LSES					
A. Existing Lses	190	136	72%	54	28%
Acreage	328,667	235,415	72%	93,252	28%
B. 1984 Lses	47	43	91%	4	9%
Acreage	74,593	68,635	92%	5,958	8%
C. Pending Apls	224	0	0%	0	0%
Acreage	411,873	310,958	75%	100,915	25%
2. COMPETITIVE LSES					
A. Existing Lses	118	37	31%	81	69%
Acreage	198,079	67,466	31%	136,613	69%
B. 1984 Lses	8	0	0%	8	100%
Acreage	9,445	0	0%	9,445	100%
3. PRODUCING LSES	11	0	0%	11	100%
Acreage	9,572	0	0%	9,572	100%
4. PRODUCING WELLS	68	0	0%	68	100%
5. INJECTION WELLS	8	0	0%	8	100%
6. UNITS AGREEMENTS					
A. Existing Units	5	2	40%	3	60%
B. 1984 Units	2	0	0%	2	100%
C. Pending	4	3	75%	1	25%
7. KGRA					
A. Existing KGRA's	21	5	24%	16	76%
Acreage	1,617,960	679,148	41%	938,812	58%
B. 1984 Adjustments	2	1		1	
Acreage	15,941	2,558		13,383	
8. GEO DRILLING PERMITS (GOP)					
A. 1984 Approvals	26	5	19%	21	81%
B. Not Yet Drilled	5	0		5	
9. PLANS OF OPS					
A. 1984 Approvals	9	2		7	
B. Pending Plans	1	0		1	
10. SUNDRY NOTICES	49	0		49	
11. GEO EXPL PERMITS	3	2		1	
12. PRE-LSE PERMITS	8	?		8	
13. INSPECTION & ENFORCEMENT	473	33	7%	440	93%
14. LSE ADJUSTMENTS	29	17	59%	12	41%

SOUTH ZONE

WORKLOAD NAME UNIT GEOTHERMAL	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	44	0	44
ACREAGE	77,457	0	77,457
B. 1984 LSES	4	0	4
ACREAGE	5,958	0	5,958
C. PENDING APLS	45	0	45
ACREAGE	90,608	0	90,608
2. COMPETITIVE LSES			
A. EXISTING LSES	27	0	27
ACREAGE	51,478	0	51,478
B. 1984 LSES	7	0	7
ACREAGE	8,845	0	8,845
3. PRODUCING LSES	1	0	1
ACREAGE	1,868	0	1,868
4. PRODUCING WELLS	8	0	8
5. INJECTION WELLS	3	0	3
6. UNITS AGREEMENTS			
A. EXISTING UNITS	3	0	3
B. 1984 UNITS	2	0	2
C. PENDING	0	0	0
7. KGRA			
A. EXISTING KGRA'S	12	0	12
ACREAGE	470,092	0	470,092
B. 1984 ADJUSTMENTS	0	0	0
ACREAGE	0	0	0
8. GEO DRILLING PERMITS (GDP)			
A. 1984 APPROVALS	6	0	6
B. NOT YET DRILLED	3	0	3
9. PLANS OF OPS			
A. 1984 APPROVALS	2	0	2
B. PENDING PLANS	1	0	1
10. SUNDRY NOTICES	3	0	3
11. GEO EXPL PERMITS	0	0	0
12. PRE-LSE PERMITS	8	0	8
13. INSPECTION & ENFORCEMENT (84)	6	0	6
14. LSE ADJUSTMENTS	4	0	4

CENTRAL ZONE

WORKLOAD NAME UNIT GEOTHERMAL	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	3	3	0
ACREAGE	925	925	0
B. 1984 LSES	1	1	0
ACREAGE	160	160	0
C. PENDING APLS	36	36	0
ACREAGE	64,715	64,715	0
2. COMPETITIVE LSES			
A. EXISTING LSES	41	20	21
ACREAGE	75,617	28,999	46,618
B. 1984 LSES	0	0	0
ACREAGE	0	0	0
3. PRODUCING LSES	0	0	0
ACREAGE	0	0	0
4. PRODUCING WELLS	0	0	0
5. INJECTION WELLS	0	0	0
6. UNITS AGREEMENTS			
A. EXISTING UNITS	1	1	0
B. 1984 UNITS	0	0	0
C. Unit APP	1	1	0
7. KGRA			
A. EXISTING KGRA'S	3	3	0
ACREAGE	466,189	466,189	0
B. 1984 ADJUSTMENTS	0	0	0
ACREAGE	0	0	0
8. GEO DRILLING PERMITS (GDP)			
A. 1984 APPROVALS	2	2	0
B. NOT YET DRILLED	0	0	0
9. PLANS OF OPS			
A. 1984 APPROVALS	1	1	1
B. PENDING PLANS	0	0	0
10. SUNDRY NOTICES	0	0	0
11. GEO EXPL PERMITS	2	2	0
12. PRE-LSE PERMITS	?	?	0
13. INSPECTION & ENFORCEMENT (84)	4	0	4
14. LSE ADJUSTMENTS	19	16	3

WORKLOAD NAME UNIT GEOTHERMAL	NORTHEAST ZONE EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	98	97	1
ACREAGE	166,412	165,571	841
B. 1984 LSES	33	33	0
ACREAGE	53,601	53,601	0
C. PENDING APLS	44	43	1
ACREAGE	87,338	84,787	2,551
2. COMPETITIVE LSES			
A. EXISTING LSES	25	17	8
ACREAGE	47,043	32,467	14,576
B. 1984 LSES	0	0	0
ACREAGE	0	0	0
3. PRODUCING LSES	0	0	0
ACREAGE	0	0	0
4. PRODUCING WELLS	0	0	0
5. INJECTION WELLS	0	0	0
6. UNITS AGREEMENTS			
A. EXISTING UNITS	1	1	0
B. 1984 UNITS	0	0	0
C. PENDING APPL.	0	0	0
7. KGRA			
A. EXISTING KGRA'S	4	2	2
ACREAGE	304,330	212,959	91,371
B. 1984 ADJUSTMENTS	1	1	0
ACREAGE	2,5581	2,558	0
8. GEO DRILLING PERMITS (GDP)			
A. 1984 APPROVALS	3	3	0
B. NOT YET DRILLED	0	0	0
9. PLANS OF OPS			
A. 1984 APPROVALS	1	1	0
B. PENDING PLANS	0	0	0
10. SUNDRY NOTICES	3	0	3
11. GEO EXPL PERMITS	0	0	0
12. PRE-LSE PERMITS	?	?	0
13. INSPECTION & ENFORCEMENT (84)	30	25	5
14. LSE ADJUSTMENTS	0	0	0

Note: There is no anticipated geothermal activity in the 1,500,000 acres in northwestern Nevada.

NORTHWEST ZONE

WORKLOAD NAME UNIT GEOTHERMAL	EXISTING AS OF 10/01/84	POST - INTERCHANGE TOTAL FS	 TOTAL BLM
1. NONCOMPETITIVE LSES			
A. EXISTING LSES	45	36	9
ACREAGE	83,873	68,919	14,954
B. 1984 LSES	9	9	0
ACREAGE	14,874	14,874	0
C. PENDING APLS	99	94	5
ACREAGE	169,212	161,456	7,756
2. COMPETITIVE LSES			
A. EXISTING LSES	25	0	25
ACREAGE	23,941	0	23,941
B. 1984 LSES	1	0	1
ACREAGE	600	0	600
3. PRODUCING LSES	10	0	10
ACREAGE	7,704	0	7,704
4. PRODUCING WELLS	60	0	60
5. INJECTION WELLS	5	0	5
6. UNITS AGREEMENTS			
A. EXISTING UNITS	0	0	0
B. 1984 UNITS	0	0	0
C. PENDING	3	2	1
7. KGRA			
A. EXISTING KGRA'S	2	0	2
ACREAGE	377,349	0	377,349
B. 1984 ADJUSTMENTS	1	0	1
ACREAGE	13,383	0	13,383
8. GEO DRILLING PERMITS (GOP)			
A. 1984 APPROVALS	15	0	15
B. NOT YET DRILLED	2	0	2
9. PLANS OF OPS			
A. 1984 APPROVALS	5	0	5
B. PENDING PLANS	0	0	0
10. SUNDRY NOTICES	43	0	43
11. GEO EXPL PERMITS	1	0	1
12. PRE-LSE PERMITS	?	?	0
13. INSPECTION & ENFORCEMENT	433	8	425
14. LSE ADJUSTMENTS	6	1	5

C. SUMMARY OF THE WORKLOAD ANALYSIS - SEE TABLE C

1. Solid Leasables, Locatable and Saleable Minerals

Currently in the State of California, there are 30 leases, six prospecting permits, ten prospecting permit applications, one preference right lease application, one exploration plan, one plan amendment, one inactive lease of quartz, sodium, phosphate, silica and coal.

Major activity is centered in the Searles Lake area (sodium-potassium leases), the Susanville and Whiskeytown areas (gold and silver prospecting permit applications), and the Los Padres National Forest (phosphate prospecting permits). 85% of the solid leasable workload is associated with the Searles Lake operations and 15% for all other activities. Royalty payments for solid leasables (exclusively derived from the Searles Lake operations) are approximately $6,000,000 per year.

2. Locatable Minerals

Currently there are 163,633 unpatented mining claims recorded for California. Of these, approximately 46% are administered by the FS and 54% by BLM. There are 11 pending patent applications (5 for the FS and 6 for BLM). There are 1,266 suspected occupancy trespass cases divided at approximately 80%-20% between the FS and BLM, respectively. There are numerous plans of operation within the State. Due to different reporting methods by the two agencies it is not presently feasible to evaluate these to an accurate workload analysis. A preliminary estimate indicates an approximate 60%-40% FS-BLM responsibility. The differences between the FS and BLM regulations regarding notices for locatable minerals would make any comparison of the workload unfeasible or misleading. There are 46 pending validity examinations, 83% of which are on Forest lands and 17% on BLM.

3. Saleable Minerals

The present casework for saleable minerals consists of 1,840 cases per year approximately equally divided between the FS and BLM. The major workload lies in contract sales, free use permits and mineral trespass. For contracts under $2,000 the ratio of the workload is approximately 80%/20% FS/BLM. For sales in excess of $2,000 the ratio is 15%/75% FS/BLM. Free use permit acitivity is closely divided at a 44%/56% FS/BLM ratio. There are 44 pending mineral trespass cases the majority of which (86%) are on lands administered by the BLM.

CALIFORNIA SOLID MINERALS STATEWIDE

WORKLOAD NAME SOLID MINERALS	INTERCHANGE TO BLM	INTERCHANGE TO FS	TOTAL CASE WORK AS OF 10/01/84	POST - INTERCHANGE TOTAL FS %	TOTAL FS NO.	TOTAL BLM %	TOTAL BLM NO.
1. SALEABLE MINERALS							
A. Contracts/Sales							
$2,000	0	27	577	83	480	17	98
$2,000	0	4	129	3	4	97	125
B. Free Use Permits	2	56	418	56	233	44	185
C. Community Pits	0	2	14	29	4	71	10
D. Mineral Material Trespass	1	6	44	14	6	86	38
E. I & E	1	29	767	63	481	37	285
2. LOCATABLE MINERALS*							
A. 3802/228 Plans	0	6	-	-	-	-	476
B. 3809/228 Plans	60	15	-	-	-	-	761
C. 3809/228 Notices	15	232	-	-	-	-	226
D. Amendments 3809/ 3802/228 Plans	31	46	192	45	86	55	106
E. Patent Applications	0	1	11	45	5	55	6
Assoc Claims	0	1	106	0	34	0	72
F. Validity Examinations	5	3	46	83	38	17	8
G. Occupancy Trespass	1	324	1,266	81	1,021	19	245
H. P.L. 359 Cases Acres	1	5/122	206	90	186	10	20
I. P.L. 167 Cases	0	0	68	100	68	0	0
J. Common/Uncommon Variety Cases	0	4	24	25	6	75	18
K. I & E**	84	142	2,423	73	1,770	27	653
3. 209 (FLPMA) MIN. CONVEYANCE	0	46	61	75	46	25	15
203 (FLPMA) SALES	0	22	102	22	22	78	62

CALIFORNIA SOLID MINERALS STATEWIDE

WORKLOAD NAME SOLID MINERALS	INTERCHANGE TO BLM	INTERCHANGE TO FS	TOTAL CASE WORK AS OF 10/01/84	POST - INTERCHANGE TOTAL FS %	POST - INTERCHANGE TOTAL FS NO.	POST - INTERCHANGE TOTAL BLM %	POST - INTERCHANGE TOTAL BLM NO.
4. MINING CLAIM RECORDATION							
A. Unpatented Mining Claims (Recorded Under 314 FLMPA)	6,830	22,896	163,633	46	75,412	54	88,221
(Within Designated Wilderness Areas)	0	0	1,190	99	1,185	1	5
5. SOLID LEASABLE							
A. Prospecting Permits	0	6	8	75	6	25	2
Acres	0	2,381	7,437	32	2,381	68	5,056
B. Pros. Permit Applic.	0	0	10	71	8	29	2
Acres	0	9,848	14,341	63	9,285	37	5,056
C. Preference Right Leases	0	5	1	80	4	20	1
Acres	0	0	2,087	0	0	0	0
D. Prl. Applic.	0	1	1	100	1	0	0
Acres	0	2,434	2.434	100	2,434	0	0
E. Competitive Leases	0	0	39	0	0	100	39
Acres	0	0	35,286	0	0	100	35,287
F. Plan Amendments 3802/228 Plans	0	1	6	34	2	66	4
G. Exploration and Mining Plans	0	1	7	14	1	86	6
H. Producing Leases	0	0	7	0	0	100	7
Acres	0	0	11,581	0	0	100	11,581
I. Lease Adjustments	0	0	4	0	0	100	4
J. KLA's	0	0	3	0	0	100	3
Acres	0	0	69,560	0	0	100	69,560
K. I & E **	0	10	70	11	8	89	62

* A dash (-) represent no accurate FS data.

** The number of I & E compliance checks planned is commensurate with the magnitude of the project and sensitivity of the non-mineral resources. At a minimum at least one check should be done a year. For solid leasables four check are completed a year.

SOUTH ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
1. SALEABLE MINERALS							
A. CONTRACTS/SALES							
$2,000	24	136	0	2	139	69	207
$2,000	34	0	0	3	2	17	129
B. FREE USE PERMITS	23	54	1	0	53	111	164
C. COMMINITY PITS	5	0	0	0	0	8	8
D. MINERAL MATERIAL TRESPASS	5	0	0	2	2	33	35
E. I & E	40	136	0	2	138	158	296
2 LOCATABLE MINERALS*							
A. 3802/228 PLANS	33	-	5	0	-	480	-
B. 3809/228 PLANS	37	-	0	6	6+	694	-
C. 3809/228 NOTICES	39	-	5	6	-	185	-
D. AMENDMENTS 3809/ 3802/228 PLANS	32	12	0	0	12	75	87
E. PATENT APPLICA-TIONS/ASSOC CLAIMS	11/106	0	0	5/34	5/34	6/72	11/106
F. VALIDITY EXAMINATIONS	2	6	0	0	6	2	8
G. OCCUPANCY TRESPASS	0	104	0	6	110	240	350
H. P.L. 359 CASES ACRES	0	0	0	0	0	0	0
I. P.L. 167 CASES	0	0	0	0	0	0	0
J. COMMON/UNCOMMON VARIETY CASES	10	1	0	1	2	17	19
K. I & E**	300	257	20	12	249	558	807
3. 209 (FLPMA) CONVEYANCE	0	7	0	0	7	0	7
203 (FLPMA) SALES	46	0	0	0	0	60	60
4. MINING CLAIM RECORDATION							
A. UNPATENTED MINING CLAIMS (RECORDED UNDER 314 FLPMA)	76.050	7,440	500	200	7,140	76,350	83,490

TABLE C
4 OF 10

SOUTH ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
(WITHIN DESIGNATED WILDERNESS AREAS)	0	178	0	0	0	0	178
5. SOLID LEASABLE							
A. PROSPECTING PERMITS	2	0	0	0	0	6	6
ACRES	5,056	0	0	0	0	5,056	5,056
B. PROS. PER. APPLIC.	4	0	0	0	0	4	4
ACRES	5,679	0	0	0	0	5,679	5,769
C. PREFERENCE RIGHT LEASES	0	0	0	0	0	33	33
ACRES	0	0	0	0	0	23,132	23,132
D. PRL. APP	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
E. COMPETITIVE	13	0	0	0	0	23	23
LEASES/ACRES	23,700	0	0	0	0	35,287	35,287
F. PLAN AMENDMENTS	2	0	0	0	1	4	5
G. EXPLORATION AND/ MINING PLANS	6	0	0	0	0	6	6
H. PRODUCING LEASES/	0	0	0	0	0	7	7
ACRES	0	0	0	0	0	11,581	11,581
I. LEASE ADJUSTMENTS	4	0	0	0	0	4	4
J. KLA'S	0	0	0	0	0	3	3
ACRES	0	0	0	0	0	69,560	69,560
K. I & E **	60	0	0	0	0	60	60

* A dash (-) represents no accurate FS data.

** The number of I & E compliance checks planned is commensurate with the magnitude of the project and sensitivity of the non-mineral resources. At a minimum at least one check should be done a year. For solid leasables four checks are completed a year.

CENTRAL ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
1. SALEABLE MINERALS							
A. CONTRACTS/SALES							
$2,000	8	90	0	3	93	5	98
$2,000	0	0	0	1	1	0	1
B. FREE USE PERMITS	20	36	0	0	36	10	46
C. COMMUNITY PITS	0	0	0	0	0	0	0
D. MINERAL MATERIAL TRESPASS	0	0	0	0	0	0	0
E. I & E	57	90	0	3	93	54	147
2. LOCATABLE MINERALS*							
A. 3802/228 PLANS	6	-	0	5	-	56	-
B. 3809/228 PLANS	10	55+	55+	7	-	60	-
C. 3809/228 NOTICES	37	-	10	125	-	35+	-
D. AMENDMENTS 3809/ 3802/228 PLANS	17	20	22	17	15	22	37
E. PATENT APPLICATIONS/ASSOC CLAIMS	1	0	0	1	1	0	1
F. VALIDITY EXAMINATIONS	0	10	5	1	6	6	12
G. OCCUPANCY TRESPASS	2	175	0	217	392	5	397
H. P.L. 359 CASES/ACRES	22	85	1	22	105	1	106
I. P.L. 167 CASES	1	8	0	0	8	1	9
J. COMMON/UNCOMMON VARIETY CASES	1	0	0	1	1	1	2
K. I & E**	122	428	55	100	473	77	550
3. 209 (FLPMA) CONVEYANCE	58	0	0	58	58	-	58
203 (FLPMA) SALES	18	-	0	-	-	0	18
4. MINING CLAIM RECORDATION							
A. UNPATENTED MINING CLAIMS (RECORDED UNDER 314 FLPMA)	26,497	12,400	800	14,000	25,600	13,279	38,879

CENTRAL ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
(WITHIN DESIGNATED WILDERNESS AREAS)	0	296	0	0	0	0	296
5. SOLID LEASABLE							
A. PROSPECTING PERMITS	0	0	0	2	2	0	2
ACRES	0	0	0	462	462	0	462
B. PROS. PER. APPLIC.	0	0	0	4	4	0	4
ACRES	0	0	0	7,580	7,580	0	7,580
C. PREFERENCE RIGHT LEASES	0	0	0	1	1	0	1
ACRES	0	0	0	1,608	1,608	0	1,608
D. PRL. APP	0	0	0	1	1	0	1
ACRES	0	0	0	2,434	2,434	0	2,434
E. COMPETITIVE	0	0	0	0	0	0	0
LEASES/ACRES	0	0	0	0	0	0	0
F. PLAN AMENDMENTS	0	0	0	0	0	0	0
G. EXPLORATION AND/ MINING PLANS	0	0	0	0	0	0	0
H. PRODUCING LEASES/	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
I. LEASE ADJUSTMENTS	0	0	0	0	0	0	0
J. KLA'S	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
K. I & E **	0	2	0	2	2	0	2

\# A dash (-) represents no accurate FS data.

** The number of I & E compliance checks planned is commensurate with the magnitude of the project and sensitivity of the non-mineral resources. At a minimum at least one check should be done a year. For solid leasables four checks are completed a year.

TABLE C
7 OF 10

NORTHEAST ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
1. SALEABLE MINERALS							
A. CONTRACTS/SALES $2,000	37	115	0	20	135	24	159
$2,000	0	0	0	0	0	0	0
B. FREE USE PERMITS	84	44	1	54	97	64	161
C. COMMUNITY PITS	0	0	0	2	2	2	4
D. MINERAL MATERIAL TRESPASS	0	0	1	0	0	5	5
E. I & E	47	115	1	20	135	73	209
2. LOCATABLE MINERALS*							
A. 3802/228 PLANS	0	-	9	0	-	9	-
B. 3809/228 PLANS	0	-	0	0	-	4	-
C. 3809/228 NOTICES	1	-	0	0	-	5	-
D. AMENDMENTS 3809/ 3802/228 PLANS	0	-	0	0	-	0	-
E. PATENT APPLICATIONS/ASSOC CLAIMS	0	0	0	0	0	0	0
F. VALIDITY EXAMINATIONS	0	12	0	0	12	0	12
G. OCCUPANCY TRESPASS	0	224	1	0	223	0	223
H. P.L. 359 CASES ACRES	0	93	0	0	93	0	93
I. P.L. 167 CASES	0	14	0	0	14	0	14
J. COMMON/UNCOMMON VARIETY CASES	0	1	0	0	1	0	1
K. I & E**	6	514	9	0	505	18	523
3. 209 (FLPMA) CONVEYANCE	0	7	0	0	7	0	7
203 (FLPMA) SALES	2	0	0	0	0	2	2

Note: Susanville District manages minerals for 1,500,000 acres in northwestern Nevada. That workload, not shown above, includes: 1,600 mining claims, one 3809 plan that will require close monitoring, three 3809 notices and 31 Free Use Permits.

NORTHEAST ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
4. MINING CLAIM RECORDATION							
A. UNPATENTED MINING CLAIMS (RECORDED UNDER 314 FLPMA)	3,860	15,872	450	1,500	16,922	2,810	19,732
(WITHIN DESIGNATED WILDERNESS AREAS)	0	379	0	0	0	0	0
5. SOLID LEASABLE							
A. PROSPECTING PERMITS	0	1	0	4	4	0	4
ACRES	0	60	0	1,919	1,919	0	1,919
B. PROS. PER. APPLIC.	0	0	0	2	2	0	2
ACRES	0	0	0	285	285	0	285
C. PREFERENCE RIGHT LEASES	0	0	0	2	2	0	2
ACRES	0	0	0	160	160	0	160
D. PRL. APP	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
E. COMPETITIVE	0	0	0	0	0	0	0
LEASES/ACRES	0	0	0	0	0	0	0
F. PLAN AMENDMENTS	0	1	0	1	1	0	1
G. EXPLORATION AND/ MINING PLANS	0	0	0	1	1	0	1
H. PRODUCING LEASES/	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
I. LEASE ADJUSTMENTS	0	0	0	0	0	0	0
J. KLA'S	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
K. I & E **	0	6	0	6	6	0	6

* A dash (-) represents no accurate FS data.

** The number of I & E compliance checks planned is commensurate with the magnitude of the project and sensitivity of the non-mineral resources. At a minimum at least one check should be done a year. For solid leasables four checks are completed a year.

NORTHWEST ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
1. SALEABLE MINERALS							
A. CONTRACTS/SALES $2,000	2	111	0	2	113	0	113
$2,000	0	0	0	0	0	0	0
B. FREE USE PERMITS	2	45	0	2	47	0	47
C. COMMUNITY PITS	0	0	0	0	2	0	2
D. MINERAL MATERIAL TRESPASS	3	1	0	3	4	0	4
E. I & E	4	111	0	4	115	0	115
2. LOCATABLE MINERALS*							
A. 3802/228 PLANS	1	-	0	1	1+	0	-
B. 3809/228 PLANS	1	-	0	2	2+	0	-
C. 3809/228 NOTICES	25	-	0	101	101+	0	-
D. AMENDMENTS 3809/ 3802/228 PLANS	5	24	0	20	44	0	44
E. PATENT APPLICATIONS/ASSOC CLAIMS	0	0	0	-	-	0	-
F. VALIDITY EXAMINATIONS	0	12	0	2	14	0	14
G. OCCUPANCY TRESPASS	30	196	0	100	296	0	296
H. P.L. 359 CASES ACRES	1/20	2	0	5/100	7	0	7
I. P.L. 167 CASES	0	45	0	0	45	0	45
J. COMMON/UNCOMMON VARIETY CASES	0	0	0	2	2	0	2
K. I & E**	30	513	0	30	543	0	543
3. 209 (FLPMA) CONVEYANCE	3	0	0	3	3	0	3
203 (FLPMA) SALES	7	0	0	22	22	0	22

NORTHWEST ZONE

WORKLOAD NAME SOLID MINERALS	TOTAL CASEWORK FY 1984 BLM	FS	INTERCHANGE TO BLM	TO FS	POST - INTERCHANGE TOT FS	TOT BLM	TOTAL CASEWORK AS OF 10/1/84
4. MINING CLAIM RECORDATION							
A. UNPATENTED MINING CLAIMS (RECORDED UNDER 314 FLPMA)	7,944	13,888	0	7,944	21,532	0	21,532
(WITHIN DESIGNATED WILDERNESS AREAS)	5	332	0	0	0	0	337
5. SOLID LEASABLE							
A. PROSPECTING PERMITS	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
B. PROS. PER. APPLIC.	0	0	0	4	4	0	4
ACRES	0	0	0	1,905	1,905	0	1,905
C. PREFERENCE RIGHT LEASES	0	0	0	2	2	0	2
ACRES	0	0	0	319	319	0	319
D. PRL. APP	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
E. COMPETITIVE	0	0	0	0	0	0	0
LEASES/ACRES	0	0	0	0	0	0	0
F. PLAN AMENDMENTS	0	0	0	0	0	0	0
G. EXPLORATION AND/ MINING PLANS	0	0	0	0	0	0	0
H. PRODUCING LEASES/	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
I. LEASE ADJUSTMENTS	0	0	0	0	0	0	0
J. KLA'S	0	0	0	0	0	0	0
ACRES	0	0	0	0	0	0	0
K. I & E **	2	2	0	2	0	2	2

* A dash (-) represents no accurate FS data.

** The number of I & E compliance checks planned is commensurate with the magnitude of the project and sensitivity of the non-mineral resources. At a minimum at least one check should be done a year. For solid leasables four checks are completed a year.

D. SUMMARY OF WORKLOAD ANALYSIS

1. Adjudication and Support Service

Overall the adjudicative support services should see a reduction in present level of activity. Although 50% of the existing unpatented mining claims go to the FS, the amount of visitor and public service functions should not be reduced at BLM since mining recordation will be a shared service done by BLM.

The Title and Records Unit will show some decrease in workload, with 25% of existing oil and gas activity and approximately 50% of the geothermal leases going to the FS. The shift on locatable minerals will have no effect on this unit since the BLM does not plot unpatented mining claims to its records.

The accounts area will show some reduction in the amount of money received and processed in the accounting area with existing cases and new applications to be processed by the FS for oil and gas, geothermal, and other leasable minerals. The existing accounts personnel in RO will be able to handle the FS increased workload.

The FS can anticipate very little influx of activity in the area of public information services. The processing of both recordations for unpatented mining claims, and the annual assessment work through both mail and personal visits will be handled by BLM as a shared service. There is also of public contact from private individuals and oil and gas and geothermal exploration and development companies in the accepting and processing of mineral leasing applications. Also, the simultaneous leasing program generates a lot of correspondence and telephone calls to the Bureau's Public Room for information.

If the FS accepts the responsibilities of the transfer of the Bureau's records function, there will be an equally large amount of public contact to examine and obtain copies of the Master Title Plats, Historical Indexes, and other related information.

Generally, the Bureau has operated our support services on minimum staffing and the FS will have to look to increased staffing to accomplish the job.

2. Oil and Gas - See TABLE A

Overall, the workload for the Branch of Lands and Minerals Operations will remain strong. Approximately 75% of the pre-leasing activity and the adjustment and maintenance of existing leases will remain with the BLM.

The major workload with the FS will be in the area of processing the existing noncompetitive application that have been pending in the National Forests for extended periods of time. After issuance or rejection of pending applications, there will be lease adjustments and maintenance of these leases. This area involves approximately 32% of existing applications.

It could be anticipated that as the existing lease applications

are processed and leases issued, more applications in these areas will be received. More people will be inclined to file if it doesn't take ten years to process the application to lease.

3. Geothermal - See TABLE B

Overall, the workload for the Branch of Lands and Minerals Operations in geothermal leasing activities will be reduced by approximately 50%. They will keep about 69% of the competitive leases and processing of noncompetitive applications will be reduced to about 28%.

The major workload to the FS will be the issuance of noncompetitive applications and lease maintenance and adjustment of existing leases. Since the majority of KGRA's remain with the BLM, the majority of competitive sales and issuance of competitive leases also remains with the Bureau. As noted by the Division of Minerals, the FS can expect increases in activity and interests in the Glass Mountian KGRA area.

4. Solid Leasables - See TABLE C

It appears that majority of the prospecting permits of record will be transferred to the FS, however, the majority of the preference right leases will remain with the Bureau. As anticipated, all of the competitive lease areas will also remain with the Bureau.

The workload for the FS should not be significant with the transfer of the prospecting permits. BLM has never had sufficient pre-lease or lease maintenance work to encumber a full time position. This work could be done by one of the adjudicators handling one of the other leasable case types.

5. Locatable Minerals - See TABLE C

The workload for the Branch of Lands and Minerals Operations in the area of mining law administration will be reduced by approximately 50%. The amount of pending mineral patents applications is about 60% for the BLM. Most of the 359 and 167 determinations have been done for the FS anyway, so the amount remaining in the Bureau is 1%. The majority of contest work, as to the adjudicative work involved has been for the FS, so this entire workload will shift. We anticipate approximately 50% of the recorded unpatented mining claims are lands to go to the FS.

It is anticipated that the FS will initiate an increased amount of 359 determinations, a heavy workload in mining claim contests, and a thorough review of all recordation and annual assessment work. Because of the more intense regulation and policy of the FS in the area of mining claim administration, it would appear that an increase in staffing would be needed.

As noted earlier, BLM has consistently utilized temporary employees to accomplish the processing of recordations and assessment in a timely manner. This should be a consideration in the proposed staffing for locatable minerals.

E. SUMMARY OF GENERAL WORKLOAD NOT OTHERWISE IDENTIFIED

1. Mineral Investigations and Reports in Support of Land Disposal

A major workload that is only partially recognized in this minerals section of the Interchange Report is the minerals input into land disposal decisions. Each disposal action requires, at the very least, a literature search, and a minerals report that must be reviewed and approved by a higher minerals person. Ideally, a field investigation should be done, but due to time and budget this is not always possible. Almost all disposal laws have a condition that the disposal may take place only if the lands have "no known minerals values", are not "mineral in character", will not "interfere with" mineral development, etc. The main reason behind these conditions is that Congress does not want to dispose of lands that have potential for mineral development or, in the case of the FLPMA 209 provisions, should not dispose of land unless equal values are received in an exchange, or Fair Market Value received in a sale. On any average, 2-3 work days are needed to complete a report. Much more time is needed if a mineral appraisal is necessary, to determine the dollar value of the minerals. In summary, there is a considerable minerals workload associated with the lands program.

TARGET ORGANIZATION PROFILE*

California

Statewide Minerals & Direct Support

(1)	(2)	(3)	(4)			(5)	(6)	(7)	(8)	(9)			
			PROPOSED GRADES						EST FUNDED	SAVED PFT'S			
OFFICE	CITY	PRESENT STAFFING	GS 13'S & UP	GS 11-12	GS 10 & BELOW	TOTAL PROPOSED STAFFING	EST. PERSONNEL TRANSFERS	EST. POSITIONS MOVED	POSITIONS SAVED	GS 13's & UP	GS 11-12	GS 10's BELOW	
Sacramento	Sacramento												
Minerals (920)	Sacramento	16	8	6	2	16	0	0	0	0	0		5 Adj.
Operations (940)		24	-	2	22	17	7	7	7	0	1	6	2 Title/Reds
Caliente	Bakersfield	1	-	-	1	1	0	0	0	-	-	-	
Bishop R.A.	Bishop	1	-	1	-	0	1	1	1	-	1	-	1 Geol to Inyo NF
Folsom R.A.	Folsom	1	-	1	-	0	1	1	1	-	1	-	1 Geol Eldorado NF
Hollister R.A.	Hollister	0	-	-	-	0	-	-	-	-	-	-	
Susanville DO	Susanville	1	-	1	-	1	0	0	0	-	-	-	
Eagle Lake R.A.	Susanville	0	-	-	-	0	-	-	-	-	-	-	
Alturas R.A.	Alturas	1	-	1	-	0	1	1	1	-	1	-	1 Geol to Lassen NF
Surprise R.A.	Cedarville	1	-	1	-	1	0	0	0	-	-	-	
Arcata R.A.	Arcata	0	-	-	-	0	0	0	0	-	-	-	
Redding R.A.	Redding	1	-	1	-	0	1	0	1	-	1	-	1 Geol to Shasta-Trinity NFs
CA Desert DO	Riverside	6	1	4	1	6	0	0	0	-	-	-	
Ridgecrest R.A.	Riverside	1	-	1	-	1	0	0	0	-	-	-	
Indio R.A.	Riverside	1	-	1	-	1	0	0	0	-	-	-	
El Centro R.A.	El Centro	1	-	1	-	1	0	0	0	-	-	-	
Barstow R.A.	Barstow	1	-	1	-	1	0	0	0	-	-	-	
Needles R.A.	Needles	1	-	1	-	1	0	0	0	-	-	-	
		85	12	29	14	74	11	10	11	0	5	6	

940 = adjudication and support.

920 = Division of Mineral Res.

Note: Adjudication and support for Minerals functions are listed in Operations portion of report. See TABLE 1.

* Numbers reflected in this Minerals Profile are incorporated in the State-wide Target Organization Profile.

F. TABLES

STATE	BLM TO FS State Offices	DO/RA	FS TO BLM Regional Office	SO/RD
State	#	#	#	#
CA	7*	4	0	0

NOTE: State Office adjudication personnel

G. SPECIAL ISSUES OF CONCERN

1. Issue: Resource classification, economic evaluation, technical review of post-lease permits and applications, unitization and communitization agreement processing and post approval actions, drainage reviews/determinations, and inspection and enforcement are currently handled by a limited staff with specialized technical expertise. The workload for these tasks is variable and inconsistent throughout the state with no one office having a constant or full-time load to support the necessary staff.

Key Points: The functions described above are handled by three technical staffs located in Ukiah, Bakersfield, and the State Office. Oil and gas resource evaluation, inspection and enforcement, post lease permit processing, and drainage review functions are handled by Bakersfield, for all BLM offices. Economic evaluations for both oil and gas and geothermal, resource evaluation for geothermal, agreements for both oil and geothermal, geothermal post-lease permit and plan technical review, are handled by the SO state-wide. Ukiah conducts I and E for geothermal, and post-lease permit and plan processing for the Geysers.

These functions require and integrated team effort of geologic and engineering expertise. The geographic workload for these activities is widely scattered and highly variable. Overall, the FS will receive 20% of current workload in Fluids, but for certain functions, only 10% of the workload will transfer (see state-wide workload analysis on pages 17 and 19. These functions also require extensive support acitivity including cartography, O&G computer data base, and production report monitoring.

No FS office post-interchange will gain a full-time workload for any or even combinations of these functions.

Summary of Key Points:

- Resource/economic evaluation, post-lease permit technical review, agreements, drainage review, and inspection and enforcement
  expertise is scarce and workload is scattered.
- These functions require an intergrated expertise team approach.
- FS will acquire only 10-20% of workload in these various functions.

- These functions require extensive computer, cartographic and resource data base support.
- No one FS office will acquire a full time workload for any one or combination of these functions.

Planning Alternatives:

Option A:

BLM would provide FS with 5 positions (1 PET, 1 PE, 1 PE or geologist, 2 geologists) to handle all post-lease functions except oil and gas resource classification, drainage reviews, and economic evaluation for both commodities.

These positions would handle all post-lease permit and plan application processing (drilling permits, sundry notices) for both O&G and geothermal, geothermal resource classification, unitization and communitization agreement applications and post-approval actions for both commodities.

To perform the work, the team will have to be physically collocated. The work requires an integrated expertise effort and the workload is scattered throughout the state with no office acquiring a full-time workload. The team will have to provide shared technical services throughout Region 5.

Option B:

Retain the functions described above in the BLM under the concept of shared services. As workload increases warrant within individual Forests, FS will develop its own expertise/positions on a phased in basis.

Option C:

Retain the functions described above in the BLM under the concept of shared services indefinitely.

Favored Alternative:

The favored alternative is Option B.

2. Issue: Streamline BLM's Review of FS Mineral Reports

Key Points: Currently, the BLM reviews mineral reports prepared by the Forest Service for validity, patent, and exchanges applications. BLM Manual 3060 section .31 dictates that the BLM must approve the above mineral requests prepared by another surface management agency. The revised MOU issued (1964) between the BLM and the FS emphasized this action.

Planning Alternatives:

A. Have the FS review the minerals reports produced by their own staff in order to do that we need to:
   (1) Revise the MOU.

(2) Revise the BLM policy (i.e. Manual 3060).

B. Keep the Status Quo.

C. In the interest of saving time and money issue a directive from the Director, immediately authorizing the FS to review its own report.

Favored Alternative:

Alternative C - The Secretary could be criticized if this decision were made at the state office level. The State Director and Regional Forester are in agreement that this cost saving measure could be implemented immediately, but would like to have Washington approval. A provision could be built into the approval that would allow BLM to spot-check the reports and to make appropriate comments back to the FS prior to consummation of the disposal.

3. Issue: Revise BLM 3809 and FS 228 Regulations - Surface Management of Mining Claims

Key Points:

1. Have discussed this proposal several times in the past at the W.O. level.

2. In several interchange meetings the public has suggested that the current difference in the regulations is burdensome to deal with.

3. Several California Mining Councils have recommended the regulations be made common.

Planning Alternatives:

A. Status Quo

B. Revise FS to be same as BLM

C. Revise BLM to be same as FS

D. Combination of 2 & 3.

Favored Alternative: (D)

Should be revised to reflect at least the following.

1. Common bonding

2. Same thresholds

3. Address residences on mining claims

TABLE I

MINERALS PERSONNEL

EXISTING BLM	BLM TRANSFERS TO FS	EXISTING FS
Div. Minerals - SO		
1. 1 Prog. Mgr (Geol)		RO: 1. Director (Mining Engr)
2. 1 Supvr. Min. Econ.		2. Mining Engr.
3. 1 Supvr. Geologist		3. Petroleum Eng
4. 4 Geologists		4. Forester
5. 2 Petrol. Engrs.		5. Forester
6. 3 Mining Engrs.		
7. 1 Geophysisist		
8. 1 Mineral Econ.		Eldorado NF:
Bakersfield DO		1. Geologist
1. 1 A-DM, Minerals		2. Geologist
2. 2 Supvr. Pet. Engs. (vacant)		3. Geologist
3. 3 Geologist		4. Geol.
4. 4 Petro. Engrs.		5. Mining Engr. (Headquartered at Redding)
5. 1 Environ. Biol.		
6. 1 Supvr. Engr. Tech.		
7. 6 Pet. Engr. Techs.		San Bernardino NF
8. 1 Prod. Clerk		
9. 1 MS-1 Clerk (I&E)		1. Geologist
10. 1 Carto. Tech.		2. Geologist
		3. Geologist
Caliente RA		4. Geologist
1 Geol.		5. Geologist
Bishop RA		
1 Geol.	Inyo NF	
Folsom RA		
1 Geol.	Eldorado NF	
Susanville DO		
1 Geol.		
Alturas RA		
1 Geol.	Lassen NF	
Cedarville RA		
1 Geol.		

TABLE I

MINERALS PERSONNEL

EXISTING BLM	BLM TRANSFERS TO FS	EXISTING FS
Ukiah DO		
1. Supvr. Geol. 2. 2 PET. Engrs. 3. 2 Geol. 4. 1 Physical Scientist		
ClearLake RA		
1 Pet. Engr. Tech.		
Redding RA		
1 Geol.	Shasta-Trinity NFs	
Cal. Desert DO		
1. 1 A-DM Mining Engr. 2. 2 Geol. 3. 1 Mining Engr.		
Ridgecrest RA		
1 Geol.		
Indio RA		
1 Geol.		
El Centro RA		
1 Geol.		
Needles RA		
1 Geol.		

Adjudication and Support Functions

1. Mining Law Administration
   a) 1 Supvr. Land Law Examiner
   b) 1 LLE 1 RO
   c) 2 Legal Tech.
   d) 2 Legal Clerks

2. Leasable
   a) 8 Land Law Examiners 3 RO
   b) 1 Sect. 1 RO

3. Records and Information
   a) 1 Supvr. LLE
      2 Contact Reps
   b) Supvr. Land Records Specialist
      1 LLE
      3 Carto Techs 1
      1 Legal Tech 1
      1 Legal Clerk
      1 Micro Film Op.
      2 Temp Draftsmen
      1 Section Chief
      1 Sect.
      2 Dockets Clerks
   c) ALMRS Coordinator
      1 Conveyance Clerk
      1 Legal Clerk
      2 Data Entry Clerks

FS-BLM MINERALS
IMPLEMENTATION GUIDE
REPORT

I. INTRODUCTION - Executive Summary: Nevada BLM/R4FS-R5FS

The post-legislation workload analyses of mineral functions transferred to Region 5 Forest Service from the Region 4 Forest Service as well as the BLM minerals functions in the Carson City and Walker Resource Areas are shown below on the implementation matrix. Upon implementation the FS, Region 5, will manage 908,990 acres of surface and subsurface lands in Nevada including the Sierra Front portion of the Toiyabe NF and adjacent BLM lands.

II. ORGANIZATION AND UNIT BOUNDARIES

Present and post-legislation staffing implementation, along with the target organization profile and summary target organization implementation guide as follows:

A. Fluid Minerals:

1. Oil and Gas

a. Present Staffing

The oil and gas workload functions along the Sierra Front are minimal. The present worklaod is handled by the Division of Mineral Resources section of the BLM in the Reno S.O.

b. Post Legislation Staffing

It is anticipated that any workload shift on oil and gas will continue to be minimal and can be absorbed by the Region 5 post legislation staffing in the MAM Zone and Regional Office.

2. Geothermal

a. Present Staffing

This workload function along the Sierra Front is primarily concentrated in the Steamboat Hot Springs area within the BLM Carson City Resource Area. The area is in a preliminary development stage with a high potential for production of geothermal electrical power generation in the next 1 to 3 years. Supervision of the resource has been handled by the BLM Geothermal Specialist in the Reno S.O. The workload presently constitutes approximately 10% of the time of the overall geothrmal operations in Nevada which equates to about 0.1 equivalent person. Should the area become productive, however, the workload would increase significantly.

There is some additional geothermal interest along the Sierra Front in hot springs along the Carson fault both within the

Toiyabe Forest as well as adjacent BLM interchange lands. This workload, at present, is negligible.

b. Post Legislation Staffing

The anticipated workload for geothermal could be substantial but activity cannot justify present transfer of personnel from BLM to the FS. As such, we propose a shared service for geothermal support utilizing the BLM Nevada S.O. technical expertise.

A Nevada Issue paper proposes a change of the concept boundary which now splits the KGRA and the Unit between FS and BLM administered lands. Because drilling and other records are maintained in Reno and since we have no office in Nevada, we propose that administration of this KGRA be a shared service housed in Nevada BLM.

3. Solid Leasable Minerals

Currently there is no solid leasable activity along the Sierra Front and it is not considered a workload.

a. Present Staffing

At present, the workload for solid leasables has been absorbed as a sub-function of the locatable minerals BLM-Nevada staff.

b. Post Legislation Staffing

It is anticipated that any activity in solid leasables will be absorbed by R5 Zone minerals staff.

4. Locatable Minerals

The present workload for locatable minerals is primarily related to plans of opertions, compliance, patent applications, etc. A total breakdown of workload function was not available at the time of preparation but the data is based on conversations with numerous BLM-Nevada and Toiyabe NF field personnel.

a. Present Staffing

There exists one funded geology position on the Bridgeport Ranger Distirct, Toiyabe NF. The workload primarily relates to plans of operations and on-going locatable minerals problems. As a sub-function, that position worked on material sales, leasable minerals pre-lease operations, and environmental geology concerns.

There is one R-4 Zone Geologist who is stationed in Elko and covers the Toiyabe and Humboldt NF's. Approximately 10% of that position relates to the Sierra Front Toiyabe NF.

There are two BLM geologists, one in the Carson City R.A. and one

in the Walker R.A. The Carson City geologist spends approximately 10% of his time on BLM administered land, now slated for FS administration and the Walker geologist 20% of his time on BLM administered land, now slated for FS administration.

There is one Forest Ranger in the Carson City Ranger District who estimates that 80% of his time is primarily devoted to plans of operation, material sales, and other minerals related problems.

There is one BLM Zone geologist located in Carson City who spends about 5% of his time on the Sierra Front BLM interchange lands.

b. Post Legislation Staffing

It is anticipated that the one geology position in Bridgeport and the Forest Ranger position in Carson City R.D. will be included in the interchange of the Sierra Front-Toiyabe Forest from Region 4 to Region 5.

The workload of the BLM presently supplied by the Carson City and Walker RA offices and the Carson City Zone Minerals office constitutes somewhat less than 1/2 manyear. This workload will be absorbed by Region 5.

5. Saleable Minerals

The present workload is primarily centered within the Carson City area.

a. Present Staffing

The work has been absorbed by the present locatable mineral and administrative staff.

b. Post Legislation Staffing

It is anticipated that the staffing changes recommended under the locatable mineral section of the report will be adequate to support the saleable minerals function.

6. Support Activity

All functions relating to mining law administration, adjudication, recordation and support activities are presently being performed by trhe Nevada BLM - SO staff. The Toiyable NF, prior to the interchange, was not involved in this function.

a. Present Staffing

Precise figures on staffing are not presently available, but the information provided indicates that less than 5 % of the time utilized in these functions would relate to FS interchange lands.

b. Post Legislation Stafffing

It is recommended that all support functions relating to mineals from the Nevada BLM - SO be handled as a shared service between the BLM/FS. The workload does not support any reasonable or workable staff transfers.

CALIFORNIA
IMPLEMENTATION MATRIX

MINERALS FUNCTIONS POST-LEGISLATION	PRE-LEGISLATION BLM	FS	TRANSFERRED TO FS
Fluid Minerals (oil and gas and geothermal)			
1. Pre-leasing activities	X	-	0
2. Economic evaluation	X	-	0 (shared service)
3. Land/mineral classification	X	-	0 (shared service)
4. Drainage determinations	X	-	0
5. Unit agreements	X	-	0
6. Inspection and enforcement	X	-	0
7. Lease operations permits & plans	X	-	0
8. Industry coordination	X	-	0
9. MS coordination	X	-	0
10. Proprietary & confidential data management	X	-	0
Solid Minerals			
1. Contest appeals	X	-	+
2. Review of mineral reports	X	-	+
3. Mining claim examination (validity & patents)	X	-	+
4. Industry coordination	X	-	0
5. Surface management (3809/228)	X	-	0
6. Mineral investigation supporting land actions (i.e., desert land entries, R&PP, railroads selections, FLMPMA 209 conveyances, color of title, mineral trespass, etc.)	X	-	+
7. Solid leasable, pre lease	X	-	0
8. Solid leasable, post-lease operations	X	-	+
9. Inspection & enforcement for all solid leasables	X	-	+
10. Economic evaluation - solid leasables	X	-	0 (shared service)
11. Classification - solid leasables	X	-	0
12. Saleable minerals	X	-	0
Fluid and Solid Minerals			
1. Adjudication and support functions (adjudication, mining claim recordaition, title & records, etc.)	X	-	0 (shared service)
2. Administration of competitive lease sales (preparation of sale notice	X	-	0 (shared service)

and sale execution)

Legend - X Presently active in this function
- Not presently active in this function
+ New or increased activity
0 No significant change in activity

HD 243 .C2 U5813
88055187
California interchange
program : minerals